

PCB Hot Spot TCRA Update

Hunters Point Shipyard BCT Meeting January 27, 2011





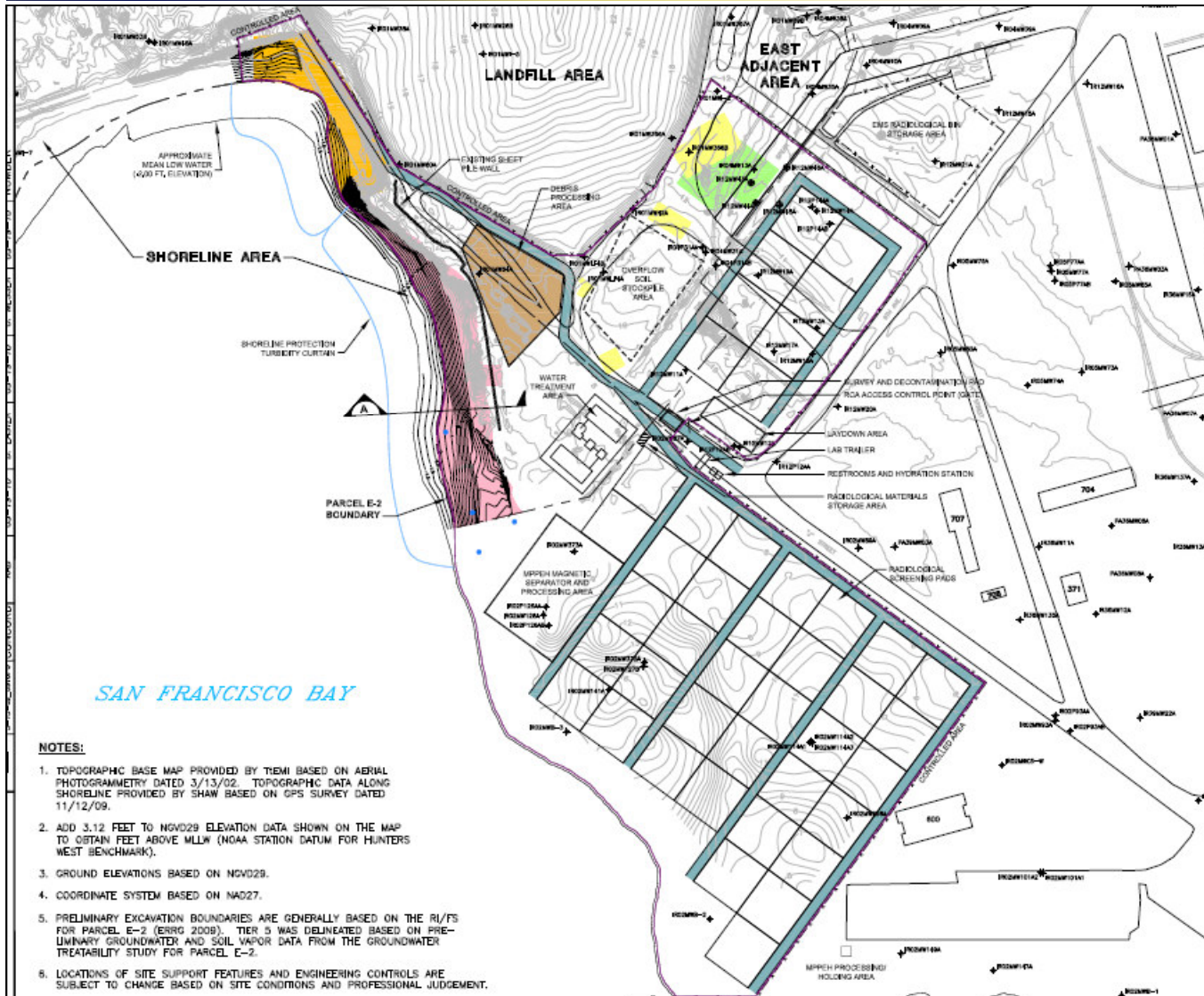
Outline



- Brief Recap and Work Accomplished to Date
- TCRA Current Status
 - RSY Pad Clearance
 - Stormwater Controls
 - NOSSA Audit
- What's Next



Site Layout Map





Brief Recap/Work Accomplished to Date



- Mobilized to field June 7, 2010
- Completed surface debris removal in Tiers 1, 2, 3, and 5
 - Segregated, processed, and screened surface debris for radioactivity
 - Resized concrete debris for reuse as temporary shoreline protection
- Abandoned two wells located within excavation footprint
- Constructed 29 radiological screening yard (RSY) pads to date using material imported by barge



Brief Recap/Work Accomplished to Date (continued)



- Commenced Tiers 3/5 (Upland Area) in August 2010
 - Conducted radiological surface scans in 1-foot lifts
 - Material Potentially Presenting an Explosive Hazard (MPPEH) identified during excavation of Tiers 3 and 5 on September 1, 2010
 - Excavation suspended and Explosives Safety Submission developed and approved as of September 9, 2010
 - MPPEH processing now required for Tiers 1, 3, and 5
- 100% Tier 3 grids excavated and confirmation sampled
- About 30% Tier 5 grids excavated to depth
- Soil on RSY pads and rad/MPPEH-screening completed



Tier 3/Tier 5 Excavation



- Tier 3/5 boundary samples had PCE>PAL at 3 and 8 ft bgs
- Plan to over-excavate into Tier 3

Grid 232 side-wall – looking west towards landfill



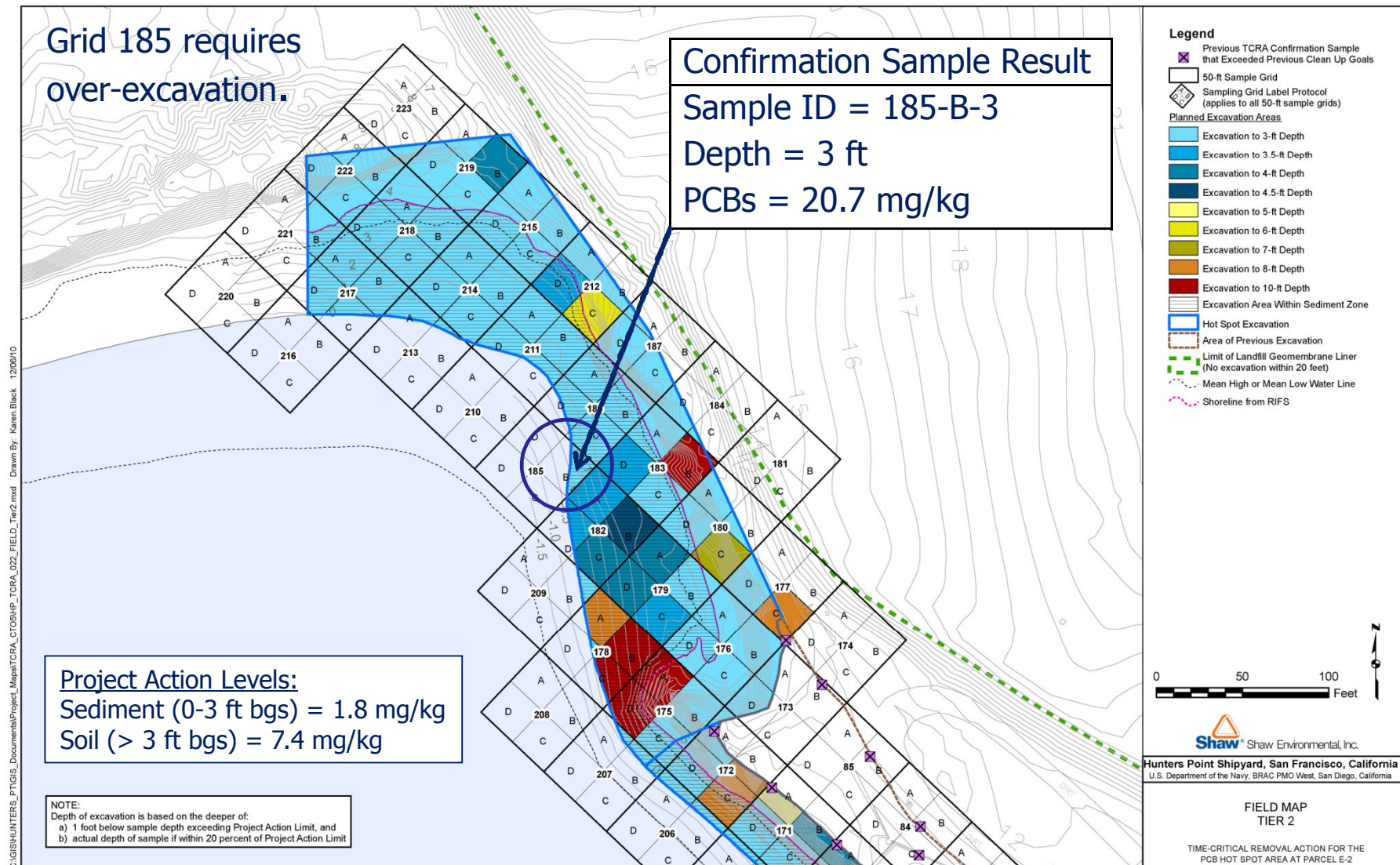
Brief Recap/Work Accomplished to Date (continued)



- 1,400-foot silt curtain installed in September 2010
 - Water quality monitoring performed during shoreline earthmoving activities
 - Water quality baseline monitoring (turbidity, pH and weekly grab samples)
- Commenced excavation of Tier 2 in October 2010
 - 60% of grids excavated to depth, confirmation sampled and backfilled with clean sand
 - One grid (Grid 185) needs to be over-excavated based on confirmation sample results
 - Excavated soil placed on drying pads and RSY pads for radiological screening



Brief Recap/Work Accomplished to Date (continued)





Work Accomplished to Date Tier 2 Excavation



Backfilled areas in Tier 2 looking northwest (silt curtain in background)



Work Accomplished to Date Drying Pads



Excavated soil on drying pads in Tier 2



TCRA Current Status – RSY Pad Clearance Status



- Excavation activities suspended in December due to lack of space on RSY pads to place excavated soil
- All current soil on RSY pads cleared from MPPEH
- All current soil on RSY pads passed MPPEH QA
- Working with RASO to radiologically clear soil
- Six new pads were constructed in Dec/Jan





TCRA Current Status – RSY Screening Pads



Action	Status Jan 2011
Screening Pads Constructed	29 (out of 34)
Screening Pads Full	27
Radiological Screening Complete	27
Radiological Sampling Complete	27
UXO Screening Complete	27
UXO QC Complete	27
UXO QA Complete	27
RASO Approved Data Packages to Clear Pads and Stage Soil Separately	4



TCRA Current Status – Stormwater Controls



- Site was shut down from December 23 through January 3 for the holidays
- Skeleton crew remained on site during the holiday shut down to perform routine stormwater inspections and maintenance, maintain site security and respond to any emergencies
- No problems, BMP breaches or emergencies were encountered



TCRA Current Status – Stormwater Controls (continued)



- Measurable precipitation on 13 out of 22 days in December and approximately 5.1 inches of rain fell prior to the Holiday Shutdown on December 22
- Two 20,000-gallon frac tanks mobilized to site as a preventative stormwater control measure
- Rain water was pumped from the RSY pads to the frac tanks and sampled
- Sampling results pending





NOSSA Audit



- NOSSA audit was conducted on December 14
- Only 5 minor findings
- 3 of the findings were addressed on the day of the audit
- 2 findings will require editorial changes to the ESS





What's Next



Activity	Date
Continue Hot Spots Excavation and Soil Screening	Late January – July 2011
Construct 6 more RSY pads	January – February 2011
Continue Backfill and Site Restoration	Late January – July 2011
Demobilize	Early August 2011
Submit Draft Removal Action Completion Report	October 2011



BACKUP SLIDE





TCRA Progress - Excavation

